PROGRESS OF OCEAN DATA PORTAL IN JAPAN
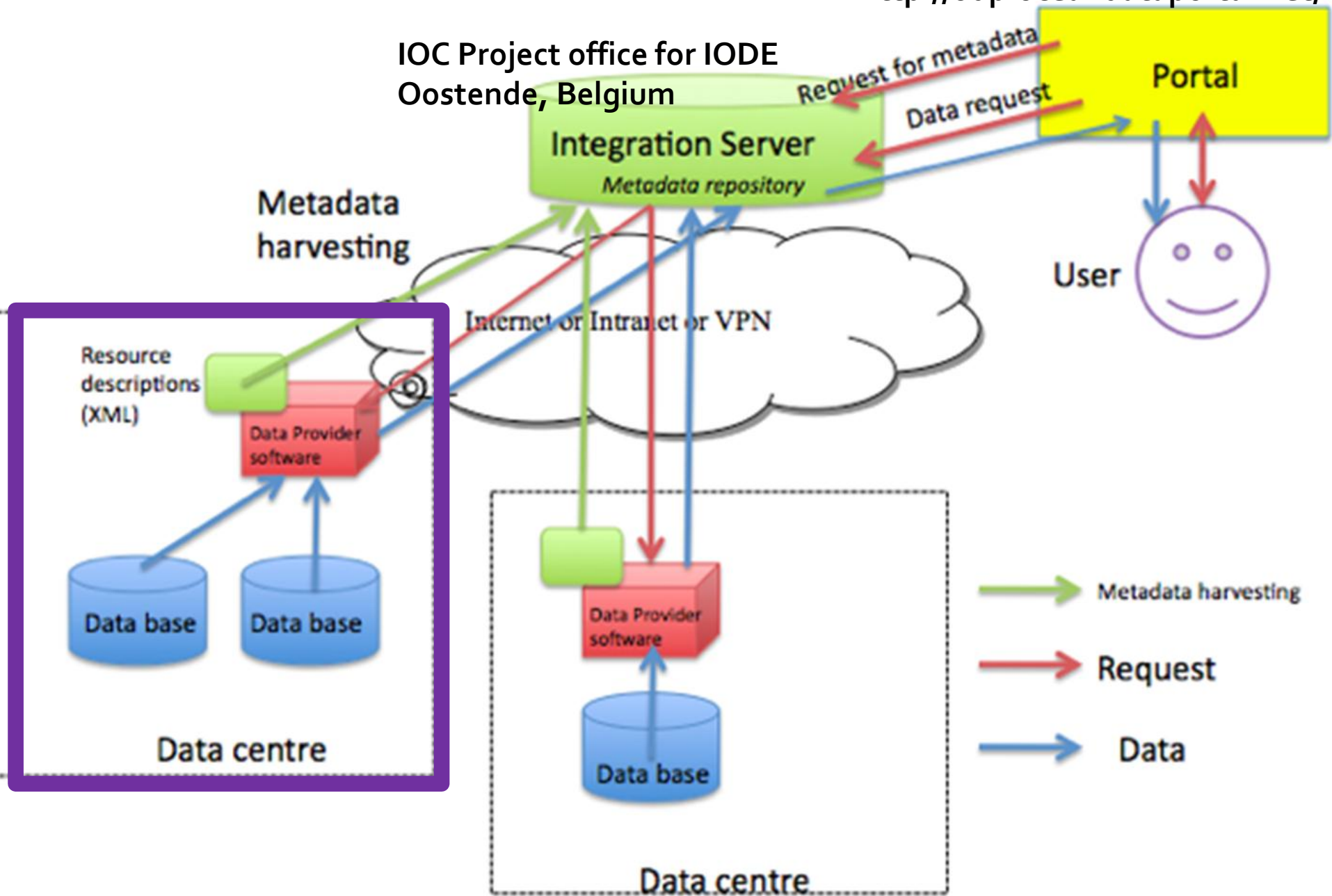
Toru Suzuki
Marine Information Research Center

Work in progress

- **IODE-XX in Beijing, China, May 2009**
  - ODP report at plenary session
  - Ad hoc meeting for ODP
  - Ad hoc meeting for ODINWESTPAC
- **First IOC/WESTPAC Training Course on the Establishment of National IODE Ocean Data Portal Node**
  - 31 August – 4 September, 2009, Seoul, supported by KORDI
  - Malaysia (3), Thailand (3), Vietnam, Korea, Indonesia, Japan
  - Installation data provider (DP) software on Windows, configuration, registration and maintenance data and metadata

http://odp.oceandataportal.net/

IOC Project office for IODE
Oostende, Belgium

Portal

Request for metadata

Data request

Integration Server

Metadata repository

User

Metadata harvesting

Internet or Intranet or VPN

Resource descriptions (XML)

Data Provider software

Data base   Data base

Data centre

Data Provider software

Data base

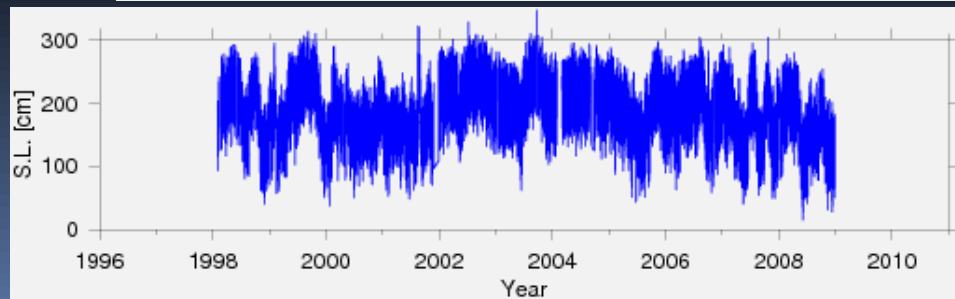Data centre
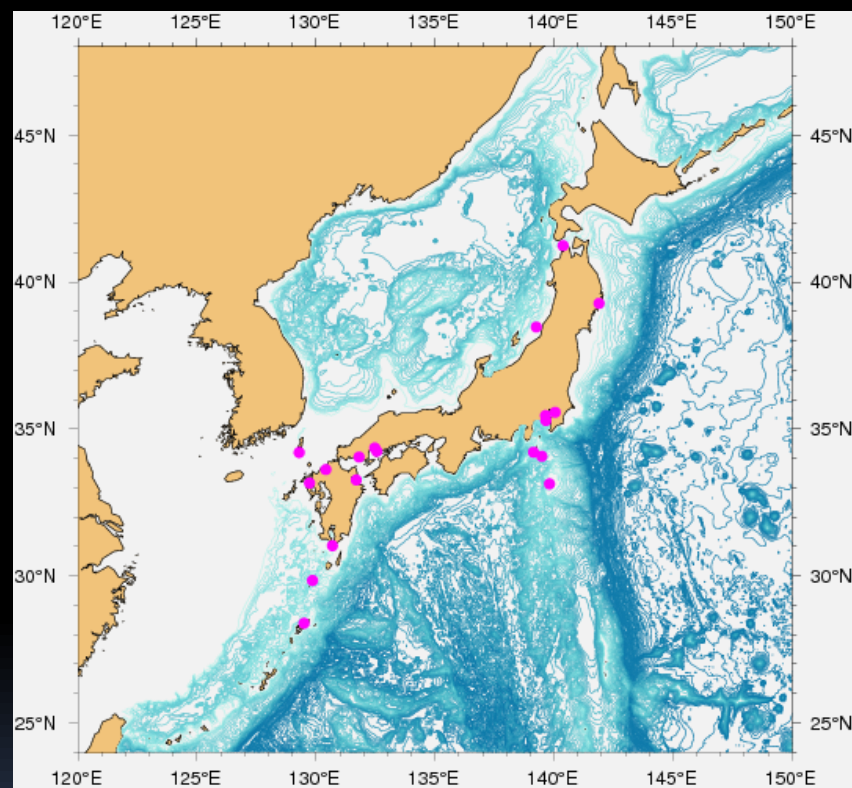
Metadata harvesting

Request

Data

Work in progress

- March 2010
  - ODP DP software Ver.1.1.4 was installed to server at Marine Information Research Center

- September 2010
  - A part of NEAR-GOOS (North-East Asian Regional GOOS) RDMDB (Regional Delayed Mode Database) were registered in cooperation with Japan Oceanographic Data Center
  - SG-ODP-I meeting in Oostende, Belgium

Registered Data

- Sea level data at 19 stations around Japanese coast
  - Operated by JCG
  - 30 sec. intervals
  - Since September 30, 1996
  - 500MB/sta. or more

Work in progress

- October 2010
  - ODP DP software was upgraded to Ver.1.5.5
- March 2011
  - ODP DP server was suspended for power saving after the Great East Japan Earthquake
  - Server resumed but terminated temporarily by fault

Replacement of server

- Sun Fire V100 Server
  - Ultra SPARC IIi 650MHz
  - 1GB main memory
  - 80GB HDDx2
- Solaris 10

- Samsung Galaxy-S II
  - 1.5GHz dual core
  - 1GB main memory
  - 32GB microSDHC
- Android 2.3

Plan and Discussion

- Replacement and restart new and energy-saving server
- Update to ODP V2
- Adding new data from NEAR-GOOS RDMDB or others
- Linkage between existing databases, meta-database, and clearinghouse
- Localization – English and native language
- Promotion